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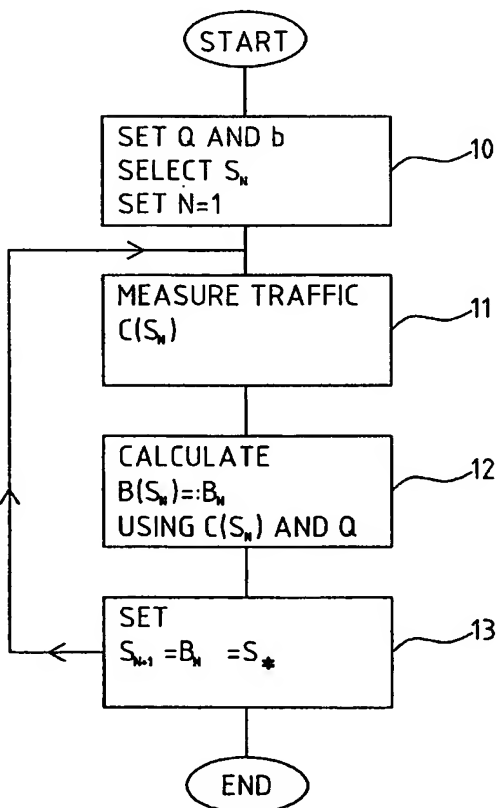
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- (71) Applicant (for all designated States except US): CORVIL NETWORKS LIMITED [IE/IE]; Enterprise Center, Pearse Street, Dublin 2 (IE).
- (72) Inventor: LEWIS, John, Trevor (deceased).
- (73) Inventors; and  
(75) Inventors/Applicants (for US only): DAVEY, Matthew [GB/IE]; 19 Lombard Street West, South Circular Road, Dublin 8 (IE). DOWSE, Ian, Edward [IE/IE]; 15 Tivoli Terrace East, Dun Laoghaire, County Dublin (IE). MCGURK, Brian [IE/IE]; 1, 14 Heytesbury Street, Dublin 8 (IE). MEANEY, Michael [IE/IE]; 9 Castlefield Way, Knocklyon, Dublin 16 (IE). O'SULLIVAN, Donald [IE/IE]; 20 The Warehouse, Clanbrassil Terrace, Dublin 8 (IE).
- (74) Agents: O'CONNOR, Donal, H. et al.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).
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(54) Title: A METHOD AND SYSTEM FOR QUALITY OF SERVICE OPTIMISATION IN A DATA NETWORK



(57) Abstract: The present invention provides a method and system for estimating the optimum service rate or bandwidth requirement (BWR) for a switch or router in a communications network for a particular traffic flow which contains elastic traffic, i.e. traffic subject to a feedback mechanism. The invention provides an iterative technique to estimate the optimum service rate from calculated BWRs for the particular traffic flow without initially knowing the precise form of the BWR for various service rates at a buffer of a switch. This is done by initially configuring a service capacity, calculating the BWR to configure a new service capacity and repeating this until the calculated BWR and configured service capacity coincide.

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